

#9

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/510,876  
Source: PCT  
Date Processed by STIC: 07-19-2005

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 07/19/2005

PATENT APPLICATION: US/10/510,876

TIME: 08:55:04

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Output Set: N:\CRF4\07192005\J510876.raw

3 <110> APPLICANT: Power, Christine  
 4 Plater-Zyberk, Christine  
 6 <120> TITLE OF INVENTION: Use of osteoprotegerin for the treatment and/or prevention  
 of fibrotic  
 7 disease  
 9 <130> FILE REFERENCE: SLII-P01-001  
 11 <140> CURRENT APPLICATION NUMBER: US 10/510,876  
 C--> 12 <141> **CURRENT FILING DATE: 2004-10-08**  
 14 <150> PRIOR APPLICATION NUMBER: EP02100364.5  
 15 <151> PRIOR FILING DATE: 2002-04-10  
 18 <160> NUMBER OF SEQ ID NOS: 12  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 1681  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Homo sapiens  
 27 <400> SEQUENCE: 1

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| 30 | tcagccatct | gtaaacaatt  | tcagtggcaa  | cccgcgaact  | gtaatccatg | aatgggacca  | 120  |
| 32 | cactttacaa | gtcatcaagt  | ctaacttcta  | gaccagggaa  | ttaatggggg | agacagcgaa  | 180  |
| 34 | ccctagagca | aagtgccaaa  | cttctgtcga  | tagcttgagg  | ctagtggaaa | gacctcgagg  | 240  |
| 36 | aggctactcc | agaagttcag  | cgcgtaggaa  | gtcccgatac  | caatagccct | ttgatgatgg  | 300  |
| 38 | tgggggttgg | gaagggaaca  | gtgctccgca  | aggttatccc  | tgccccaggc | agtccaattt  | 360  |
| 40 | tcactctgca | gattctctct  | ggctctaact  | accccgagata | acaaggagtg | aatgcagaat  | 420  |
| 42 | agcacgggct | ttagggccaa  | tcagacatta  | gttagaaaaa  | ttcctactac | atggtttatg  | 480  |
| 44 | taaacttgaa | gatgaatgat  | tgcgaactcc  | ccgaaaaggg  | ctcagacaat | gccatgcata  | 540  |
| 46 | aagaggggcc | ctgtaatttg  | aggtttcaga  | acccgaagtg  | aaggggtcag | gcagccgggt  | 600  |
| 48 | acggcgga   | ctcacagctt  | tcgcccagcg  | agaggacaaa  | ggtctgggac | acactccaac  | 660  |
| 50 | tgcgtccgga | tcttggtctg  | atcggactct  | caggggtggag | gagacacaag | cacagcagct  | 720  |
| 52 | gcccgagctg | tgcccagccc  | tcccaccgct  | ggtcccggct  | gccaggaggc | tggccgctgg  | 780  |
| 54 | cggggaaggg | ccgggaaacc  | tcagagcccc  | gcggagacag  | cagccgcctt | gttcctcagc  | 840  |
| 56 | ccggtggctt | ttttttcccc  | tgctctccca  | ggggacagac  | accaccgccc | caccctcac   | 900  |
| 58 | gccccacctc | cctgggggat  | cctttccgcc  | ccagccctga  | aagcgtaaat | cctggagctt  | 960  |
| 60 | tctgcacacc | ccccgaccgc  | tcccgcccaa  | gcttcctaaa  | aaagaaaggt | gcaaagtttg  | 1020 |
| 62 | gtccaggata | gaaaaatgac  | tgatcaaagg  | caggcgatac  | ttcctgttgc | cgggacgcta  | 1080 |
| 64 | tatataacgt | gatgagcgca  | cgggctgcgg  | agacgcaccg  | gagcgctcgc | ccagccgccg  | 1140 |
| 66 | cctccaagcc | cctgaggttt  | ccggggacca  | caatgaacaa  | gttctgtgtc | tgcgcgctcg  | 1200 |
| 68 | tggtaaagtc | ctgggcccagc | cgacgggtgc  | ccggcgctcc  | gggaggctgc | tgccacctgg  | 1260 |
| 70 | tctcccaacc | tcccagcggg  | ccggcgggga  | gaaggctcca  | ctcgctccct | cccaggagag  | 1320 |
| 72 | gcttgggggt | aggctggagc  | aggaaaccgc  | tttcaagtta  | tgccatgctt | cccctaagggt | 1380 |
| 74 | gtccttttac | gctgcaaagt  | tcctgctgac  | tttatggaag  | acagcaagag | agagacagac  | 1440 |
| 76 | agcgagagag | agggagagag  | agagagagag  | aaacttgttt  | gaaagtttta | gtcattaacc  | 1500 |
| 78 | ttctgtcttc | atctcagaat  | attaacgccc  | tcatgtagtc  | catactatct | ttgcttaaatg | 1560 |
| 80 | aacttgaact | tttattatta  | gtggcaaaaga | agtggctcct  | tagattcaga | gtaagttgga  | 1620 |

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89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 2
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98 Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp
99 20 25 30
102 Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr
103 35 40 45
106 Tyr Leu Lys Gln His Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro
107 50 55 60
110 Cys Pro Asp His Tyr Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys
111 65 70 75 80
114 Leu Tyr Cys Ser Pro Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu
115 85 90 95
118 Cys Asn Arg Thr His Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr
119 100 105 110
122 Leu Glu Ile Glu Phe Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe
123 115 120 125
126 Gly Val Val Gln Ala Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg
127 130 135 140
130 Cys Pro Asp Gly Phe Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys
131 145 150 155 160
134 Arg Lys His Thr Asn Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys
135 165 170 175
138 Gly Asn Ala Thr His Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr
139 180 185 190
142 Gln Lys Cys Gly Ile Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg
143 195 200 205
146 Phe Ala Val Pro Thr Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val
147 210 215 220
150 Asp Asn Leu Pro Gly Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile
151 225 230 235 240
154 Lys Arg Gln His Ser Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu
155 245 250 255
158 Trp Lys His Gln Asn Lys Asp Gln Asp Ile Val Lys Lys Ile Ile Gln
159 260 265 270
162 Asp Ile Asp Leu Cys Glu Asn Ser Val Gln Arg His Ile Gly His Ala
163 275 280 285
166 Asn Leu Thr Phe Glu Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly
167 290 295 300
170 Lys Lys Val Gly Ala Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys
171 305 310 315 320
174 Pro Ser Asp Gln Ile Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn
175 325 330 335

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178 Gly Asp Gln Asp Thr Leu Lys Gly Leu Met His Ala Leu Lys His Ser  
 179 340 345 350  
 182 Lys Thr Tyr His Phe Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr  
 183 355 360 365  
 186 Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu  
 187 370 375 380  
 190 Phe Leu Glu Met Ile Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys  
 191 385 390 395 400  
 194 Leu

198 &lt;210&gt; SEQ ID NO: 3

199 &lt;211&gt; LENGTH: 1356

200 &lt;212&gt; TYPE: DNA

201 &lt;213&gt; ORGANISM: Homo sapiens

203 &lt;400&gt; SEQUENCE: 3

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 206 cgyctccaag cccctgaggt ttccggggac cacaatgaac aagttgctgt gctgcgcgct 120  
 208 cgtgtttctg gacatctcca ttaagtggac caccaggaac acgtttcctc caaagtacct 180  
 210 tcattatgac gaagaaacct ctcacagct gttgtgtgac aaatgtcctc ctggtacct 240  
 212 cctaaaacaa cactgtacag caaagtggaa gaccgtgtgc gcccttgcc ctgaccacta 300  
 214 ctacacagac agctggcaca ccagtgcaga gtgtctatac tgcagccccg tgtgcaagga 360  
 216 gctgcagtac gtcaagcagg agtgcaatcg caccacaaac cgcgtgtgcg aatgcaagga 420  
 218 agggcgctac cttgagatag agttctgctt gaaacatagg agctgccctc ctggatttgg 480  
 220 agtgggtgcaa gctggaaccc cagagcgaaa tacagtttgc aaaagatgtc cagatgggtt 540  
 222 cttctcaaat gagacgtcat cttaaagcacc ctgtagaaaa cacacaaatt gcagtgtctt 600  
 224 tgggtctcctg ctaactcaga aaggaaatgc aacacacgac aacatatgtt ccggaaacag 660  
 226 tgaatcaact caaaaatgtg gaatagatgt taccctgtgt gaggaggcat tcttcaggtt 720  
 228 tgctgttcct acaaagttaa cgcctaactg gcttagtgtc ttggtagaca atttgcttgg 780  
 230 caccaaagta aacgcagaga gtgtagagag gataaaacgg caacacagct cacaagaaca 840  
 232 gactttccag ctgctgaagt tatggaata tcaaaacaaa gcccaagata tagtcaagaa 900  
 234 gatcatccaa gatattgacc tctgtgaaaa cagcgtgcag cggcacattg gacatgctaa 960  
 236 cctcaccttc gagcagcttc gttagcttgat ggaaagctta ccgggaaaga aagtgggagc 1020  
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 240 cagtttgttg cgaataaaaa atggcgacca agacaccttg aagggcctaa tgcacgcact 1140  
 242 aaagcactca aagacgtacc actttcccaa aactgtcact cagagtctaa agaagaccat 1200  
 244 caggttcctt cacagcttca caatgtacaa attgtatcag aagttatttt tagaaatgat 1260  
 246 aggtaaccag gtccaatcag taaaaataag ctgcttataa ctggaaatgg ccattgagct 1320  
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251 &lt;210&gt; SEQ ID NO: 4

252 &lt;211&gt; LENGTH: 401

253 &lt;212&gt; TYPE: PRT

254 &lt;213&gt; ORGANISM: Homo sapiens

256 &lt;400&gt; SEQUENCE: 4

258 Met Asn Lys Leu Leu Cys Cys Ala Leu Val Phe Leu Asp Ile Ser Ile  
 259 1 5 10 15  
 262 Lys Trp Thr Thr Gln Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp  
 263 20 25 30  
 266 Glu Glu Thr Ser His Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr  
 267 35 40 45  
 270 Tyr Leu Lys Gln His Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro

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274 Cys Pro Asp His Tyr Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys
275 65      70      75      80
278 Leu Tyr Cys Ser Pro Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu
279      85      90      95
282 Cys Asn Arg Thr His Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr
283      100      105      110
286 Leu Glu Ile Glu Phe Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe
287      115      120      125
290 Gly Val Val Gln Ala Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg
291      130      135      140
294 Cys Pro Asp Gly Phe Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys
295 145      150      155      160
298 Arg Lys His Thr Asn Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys
299      165      170      175
302 Gly Asn Ala Thr His Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr
303      180      185      190
306 Gln Lys Cys Gly Ile Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg
307      195      200      205
310 Phe Ala Val Pro Thr Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val
311      210      215      220
314 Asp Asn Leu Pro Gly Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile
315 225      230      235      240
318 Lys Arg Gln His Ser Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu
319      245      250      255
322 Trp Lys His Gln Asn Lys Ala Gln Asp Ile Val Lys Lys Ile Ile Gln
323      260      265      270
326 Asp Ile Asp Leu Cys Glu Asn Ser Val Gln Arg His Ile Gly His Ala
327      275      280      285
330 Asn Leu Thr Phe Glu Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly
331      290      295      300
334 Lys Lys Val Gly Ala Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys
335 305      310      315      320
338 Pro Ser Asp Gln Ile Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn
339      325      330      335
342 Gly Asp Gln Asp Thr Leu Lys Gly Leu Met His Ala Leu Lys His Ser
343      340      345      350
346 Lys Thr Tyr His Phe Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr
347      355      360      365
350 Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu
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363 <211> LENGTH: 18
364 <212> TYPE: DNA
365 <213> ORGANISM: homo sapiens
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|     |                                      |    |
|-----|--------------------------------------|----|
| 368 | ctgcgcgctc gtgtttct                  | 18 |
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| 374 | <213> ORGANISM: homo sapiens         |    |
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| 377 | aatgaaggta ctttgaggga aacg           | 24 |
| 380 | <210> SEQ ID NO: 7                   |    |
| 381 | <211> LENGTH: 33                     |    |
| 382 | <212> TYPE: DNA                      |    |
| 383 | <213> ORGANISM: homo sapiens         |    |
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| 389 | <210> SEQ ID NO: 8                   |    |
| 390 | <211> LENGTH: 27                     |    |
| 391 | <212> TYPE: DNA                      |    |
| 392 | <213> ORGANISM: homo sapiens         |    |
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| 395 | aagctcgagt tataagcagc ttatttt        | 27 |
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| 410 | <213> ORGANISM: homo sapiens         |    |
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| 417 | <211> LENGTH: 20                     |    |
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**VERIFICATION SUMMARY**

DATE: 07/19/2005

PATENT APPLICATION: US/10/510,876

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